

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ian Robinson, et al.

Application No.: 10/706,723

Group No.:

Filed: November 12, 2003

Examiner: Unknown

For: DELTA-SIGMA DIGITAL-TO-ANALOG CONVERTER ASSEMBLY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT, PETITION AND FEE TO CORRECT AND/OR  
ADD TO ORIGINAL NAMED INVENTOR(S)  
(37 C.F.R. § 1.48(a) AND/OR (c))

NOTE: 37 C.F.R. § 1.48(f) states: "If the correct inventor or inventors are not named on filing a nonprovisional application under § 1.53(b) without an executed oath or declaration under § 1.63, the later submission of an executed oath or declaration under § 1.63 during the pendency of the application will act to correct the earlier identification of inventorship.

"(2) If the correct inventor or inventors are not named on filing a provisional application without a cover sheet under § 1.51(c)(1), the later submission of a cover sheet under § 1.51(c)(1) during the pendency of the application will act to correct the earlier identification of inventorship."

1. This amendment and petition is to:

(check each applicable item)

☒ correct the incorrect original naming of inventor(s) in the declaration under 37 C.F.R. § 1.48(a)

and/or

☐ add inventor(s) for subject matter disclosed in the application, but previously unclaimed under 37 C.F.R. § 1.48(c)

2. Addition and/or Deletion of Inventors(s)

(check and complete all applicable items)

☒ Add the following previously unnamed person(s) as inventor(s) of this application:  
Frank Winter

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

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☒ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

☐ transmitted by facsimile to the Patent and Trademark Office

Lisa D. Jones  
Signature

Date: 3-6-04

Lisa D. Jones  
(type or print name of person certifying)

(Amendment, Petition and Fee to Delete and/or Add to Original Erroneously Named Inventor(s) in Declaration  
(37 C.F.R. § 1.48(a) [9-22]-Page 1 of 1)

☐ Delete the following previously incorrectly named inventor(s):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Attachments

(a) A statement from:

*(check items below that apply)*

- ☒ each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.48(a)(1).
- ☐ each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.48(a)(1).
- ☐ each person being added as an inventor that the amendment is necessitated by amendment of the claims and that the inventorship error occurred without deceptive intention on his or her part. 37 C.F.R. § 1.48(a)(1).

(b) a declaration by each of the actual inventor(s) as required by 37 C.F.R. § 1.63.

(c) written assent of the assignee *(if applicable)*.

*(check the following item, if all the inventor(s) remaining after this petition and amendment is accepted are not the inventor(s) of the subject matter of all the claim(s) now being claimed.)*

- ☐ Attached is an explanation of the facts, including the ownership of all the claim(s) being claimed in this application, including the ownership of all the claim(s) at the time the last claimed invention was made (Declaration of Inventorship and Common Ownership of Claims in Application).

4. Fee Payment (37 C.F.R. § 1.17(i))

The fee required is paid as follows:

- ☒ Enclosed is a check for \$130.00
- ☒ Charge Account **20-0090** for any fee deficiency.
- ☐ Charge Account \_\_\_\_\_ the sum of \$130.00.

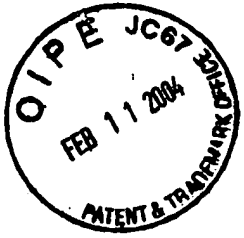
  
\_\_\_\_\_  
SIGNATURE OF ATTORNEY

Christopher P. Harris  
*(type or print name of attorney)*

Reg. No.: 43,660

Tel. No.: (216) 621-2234

Tarolli, Sundheim, Covell & Tummino L.L.P.  
526 Superior Avenue, Suite 1111  
Cleveland, OH 44114-1400



PATENT

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on this below listed date.

Lisa D. Jones

*Lisa D. Jones*  
Signature

2-6-04  
Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Ian Robinson, et al.  
Serial No. : 10/706,723  
Filing Date : November 12, 2003  
For : DELTA-SIGMA DIGITAL-TO-ANALOG  
CONVERTER ASSEMBLY  
Group Art Unit : Not Yet Assigned  
Attorney Docket No. : NG(ST)-6757

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INVENTORSHIP STATEMENT UNDER 37 C.F.R. §1.48(a)(1)**

Sir:

I, Frank Winter, do hereby declare as follows:

1. The above-identified application filed in the U.S. Patent and Trademark Office (USPTO) is directed to a "Delta-Sigma Digital-To-Analog Converter Assembly" Application.

2. When the above-identified patent application was filed in the USPTO, an error occurred in the naming of the inventors and I was not named as an inventor of the above-identified patent application.

3. I should be named as an inventor of the above-identified patent application.

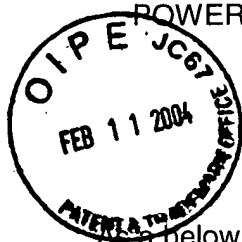
4. The error which occurred in the inventorship of the above-identified patent application occurred without any deceptive intent on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent thereon.

1/29/04  
Date

  
Frank Winter

:34268.1



## DECLARATION FOR PATENT APPLICATION

I, a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention **DELTA-SIGMA DIGITAL-TO-ANALOG CONVERTER ASSEMBLY** the specification of which

\_\_\_\_\_ is attached hereto

  X   was filed on November 12, 2003 as Application Serial No. 10/706,723  
and was amended on \_\_\_\_\_.  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Day/Mo./Yr.Filed)	Yes	No
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Number)	(Country)	(Day/Mo./Yr.Filed)	Yes	No
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DECLARATION AND  
POWER OF ATTORNEY

Docket No. NG(ST)-6757

I hereby appoint as principal attorneys: Terry J. Anderson, Reg. No. 24,271; Connie M. Thousand, Reg. No. 43,191; Christopher P. Harris, Reg. No. 43,660; Gary J. Pitzer, Reg. No. 39,334.

each with full power to prosecute this application, to transact all business in the United States Patent and Trademark Office connected therewith, and to appoint and revoke associate and substitute associate attorneys.

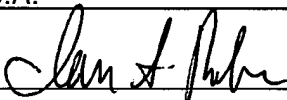
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Address all correspondence to: Christopher P. Harris  
Tarolli, Sundheim, Covell & Tummino, L.L.P.  
1111 Leader Building  
526 Superior Avenue  
Cleveland, OH 44114  
Phone: 216-621-2234 ext 104

Name of Inventor: Ian Robinson

Residence and Post Office Address: 1079 Marco Place  
Venice, CA 90291

Country of Citizenship: U.S.A.

Inventor's signature:  Date: 1/6/04

DECLARATION AND  
POWER OF ATTORNEY

Docket No. NG(ST)-6757

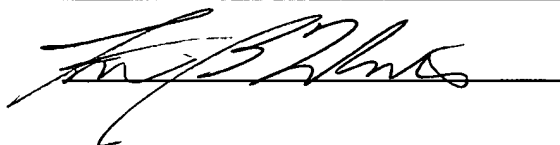
Name of Inventor: Frank Winter

Residence and Post Office Address: 13485 Grandvia Point

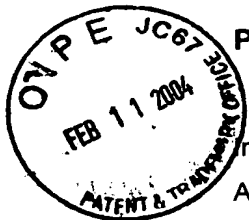
San Diego, California 92130

Country of Citizenship: U.S.A.

Inventor's signature:

A handwritten signature in dark ink, appearing to read 'Frank Winter', is written over a horizontal line.

Date: 1/28/04



Practitioner's Docket No NG(ST)-6757

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ian Robinson, et al.

Application No.: 10/706,723

Group No.: Unknown

Filed: November 12, 2003

Examiner: Unknown

For: **DELTA-SIGMA DIGITAL-TO-ANALOG CONVERTER ASSEMBLY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ASSENT OF ASSIGNEE TO CORRECTION  
AND/OR ADDITION OF INVENTOR(S)**

Northrop Grumman Corporation

(type or print name of assignee)

1840 Century Park East

Address

Los Angeles, CA 90067-2199

Assignment

☒ filed on November 12, 2003

☐ recorded on \_\_\_\_\_

☐ Reel \_\_\_\_\_

☐ Frame \_\_\_\_\_

☐ recorded herewith

☐ A separate ☐ "Assignment" (DOCUMENT) COVER SHEET is attached.

or

☐ FORM PTO 1595 is attached.

Assignee hereby assents to the correction of inventorship filed

☒ herewith.

☐ on \_\_\_\_\_

**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

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☐ transmitted by facsimile to the Patent and Trademark Office

Lisa D. Jones  
Signature

Date: 2/6/04  
(type or print name of person certifying)

Lisa D. Jones



## ASSIGNEE STATEMENT

A "STATEMENT UNDER 37 C.F.R. §3.73(b)" is as follows:

An Assignment conveying the entire right, title, and interest in and to any and all inventions pertaining to the above-identified patent application to Northrop Grumman Corporation has been filed with the U.S. Patent and Trademark Office on November 12, 2003. This Assignment has been executed by Ian Robinson. The Assignee assents to the addition of the inventor, Frank Winter, by the petition filed herewith.

A handwritten signature in black ink, appearing to read "Terry J. Anderson", written over a horizontal line.

SIGNATURE

Terry J. Anderson, Senior Corporate Counsel  
(type or print name and title of person authorized to  
sign on behalf of assignee)